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国产开唇兰属(兰科)一新种

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A new species of *Anoectochilus* Blume (Orchidaceae) from China

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Key words Orchidaceae; *Anoectochilus*; *A. nanlingensis* L. P. Siu et K. Y. Lang; China
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南岭齿唇兰 新种 图 1

Anoectochilus nanlingensis L. P. Siu et K. Y. Lang, sp. nov. Fig. 1

A congeneribus differt plantis minimis tantum 7.5 ~ 8.5 cm altis, sepalis albis dorso striis 2 longitudinalibus grossis purpureis ornatis, petalis albis oblique angusteque lineari-lanceolatis secus costam stria 1 grossa purpurea instructis et margine breviter et dense ciliatis, labello albo, inter 2 lobos apicales basi sinus macula 1 purpurea ornato, ungue in utroque latere costae maculis (3 ~) 4 purpureis instructo.

Herba terrestris, 7.5 ~ 8.5 cm alta. Rhizoma elongatum, cauliforme, repens, nodosum, radicatum, 1 ~ 1.5 mm diam. Caulis teres, viridi-fuscus, erectus vel suberectus, glaber, 1 ~ 1.5 mm diam. Folia 3 ~ 5, erecto-patentia, ovata, carnosa, 6 ~ 8 mm longa, 4 ~ 6 mm lata, apice acuta, basi rotundata et petiolata, supra atrovirentia, subtus purpurascentia; petioli 3 ~ 5 mm longi, inferne in vaginam amplexicaulem ampliati. Inflorescentia apicalis, racemosa, (1 ~) 2 ~ 3 (~ 4)-flora, 1.5 ~ 3 cm longa, infra inflorescentiam 2 bracteis vaginiformibus saepe instructa, rachidi et pedunculo villoso, bracteis erecto-patentibus, anguste ovatis, purpurascentibus, cymbiformibus, membranaceis, 5 ~ 7 mm longis, 2.5 ~ 3 mm latis, apice acuminatis, dorso glabris, margine villosis, ovariis brevioribus. Flores resupinati patentes; sepala alba, intermedium anguste ovato-oblongum, 5 ~ 6 mm longum, 2 ~ 2.5 mm latum, 1-nervium, apice obtusiusculum, margine glabrum, dorso glabrum striis 2 longitudinalibus grossis purpureis ornatum, cum petalis in galeam agglutinatum, interdum juxta apicem 1/5 liberum, lateralia obliqua, anguste oblongo-lanceolata, inaequilatera, 8 ~ 9 mm longa, 2.8 ~ 3 mm lata, 1-nervia, apice obtusiuscula, dorso glabra, inferne striis 2 longitudinalibus grossis purpureis instructa, margine glabra, basi in sacculum connata, calcar labelli amplectentia; petala alba, oblique angusteque lineari-lanceolata, membranacea, 5 ~ 6 mm longa, ca. 1 mm lata, 1-nervia, inaequilatera, apice acutiuscula, dorso glabra secus costam stria 1 grossa

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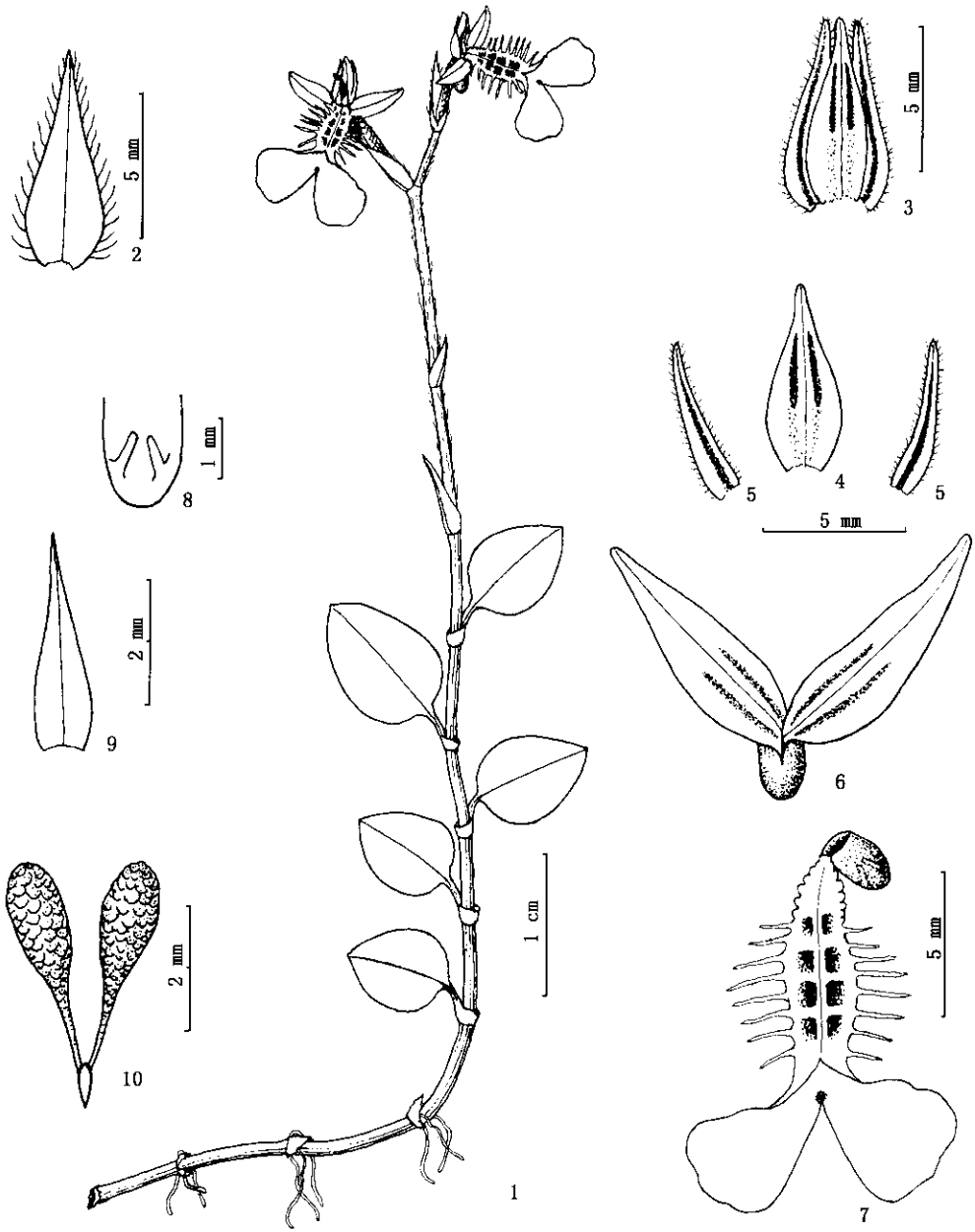

图 1　南岭齿唇兰　1. 植株；2. 花苞片；3. 中萼片和花瓣粘合成的兜状物；4. 中萼片；5. 花瓣；6. 侧萼片；7. 唇瓣；8. 距内的胼胝体；9. 花药；10. 花粉块。(郭木森 绘)

Fig. 1　*Anoectochilus nanlingensis* L. P. Siu et K. Y. Lang　1. Habit; 2. Floral bract; 3. Galea formed by the agglutination of the middle sepal and petals; 4. Middle sepal; 5. Petals; 6. Latteral sepals; 7. Lip; 8. Glands in spur; 9. Anther; 10. Pollinaria.

purpurea ornata, margine breviter et dense ciliata; labellum album abaxiale porrectum, ambitu Y-forme, 12 ~ 13 mm longum, membranaceum, apice ampliatum, et bilobatum, lobis obovatis, 4 ~ 5 mm longis, antice 3.5 ~ 4 mm latis margine undulatis, glabris, divaricatis, inter lobos apicales basi sinus macula 1 purpurea ornatis, medio labelli angustate unguiculatum, ungue 4.5 ~ 5 mm longo,

simplici parte longe elliptico, in utroque latere costae maculis (3 ~) 4 purpureis instructo, margine anteriore laciniis 5 ~ ad 8-jugis fimbriatis inaequilongis ornato, margine posteriore serrulato, basi labelli paulo ampliatum, concavum, calcar sacciforme formanti; calcar deorsum patens, 2 ~ 2.5 mm longum, 1.5 ~ 2 mm latum, apice obtusum, indivisum, intus callis 2 anguste oblongis obsitum; columna crassa et brevis, 1.5 mm longa; anthera anguste lanceolata purpurea, prorsum inclinata, 3.5 mm longa, apice longe acuminata; pollinia 2 granulata, flava, anguste oblanceolata, ca. 3 mm longa, ad extremitatem glandula 1 plerumque instructa; rostellum roseum, apice bifurcatum; stigmata 2 lateralia subrotundata; ovarium minute cylindricum contortum glabrum, cum pedicello 7 ~ 8 mm longum, ca. 1 mm diam.

地生草本,高 7.5 ~ 8.5 cm。根状茎伸长,茎状,匍匐,具节,生根,直径 1 ~ 1.5 mm。茎圆柱形,直立或近直立,直径 1 ~ 1.5 mm,绿褐色,光滑。叶 3 ~ 5 枚,直立伸展,卵形,肉质,长 6 ~ 8 mm,宽 4 ~ 6 mm,先端急尖,基部圆形,上面深绿色,背面淡紫色;叶柄长 3 ~ 5 mm,下部扩大成鞘抱茎。花序顶生,总状,具(1 ~) 2 ~ 3(~ 4)朵花,长 1.5 ~ 3 cm;花序轴和花序柄被疏柔毛,花序之下常具 2 枚鞘状苞片;花苞片直立伸展,狭卵形,淡紫色,膜质,长 5 ~ 7 mm,宽 2.5 ~ 3 mm,先端渐尖,背面无毛,边缘具疏柔毛,较子房短。花倒置,张开;萼片白色,中萼片狭卵状长圆形,长 5 ~ 6 mm,宽 2 ~ 2.5 mm,具 1 脉,先端稍钝,背面无毛,边缘无毛,具 2 条纵向、粗的紫红色条纹,与花瓣粘合呈兜状,有时靠近先端的 1/5 离生;侧萼片斜狭长圆状披针形,不等侧,长 8 ~ 9 mm,宽 2.8 ~ 3 mm,具 1 脉,先端稍钝,背面无毛,边缘无毛,下部具 2 条纵向、粗的紫红色条纹,基部合生成囊,围抱唇瓣基部的距;花瓣斜线状披针形,膜质,长 5 ~ 6 mm,宽约 1 mm,具 1 脉,先端稍尖,不等侧,背面无毛,边缘具短而密的缘毛,沿中肋具 1 条粗的紫红色条纹;唇瓣位于下方,轮廓呈 Y 字形,膜质,长 12 ~ 13 mm,前部扩大并 2 裂,裂片倒卵形,长 4 ~ 5 mm,前端宽 3.5 ~ 4 mm,边缘略波状,无毛,叉开,在裂片之间基部凹缺处具 1 个紫红色斑点,唇瓣中部收狭呈爪,爪长 4.5 ~ 5 mm,其不分裂的部分长椭圆形,沿中肋两侧各具(3 ~)4 个紫红色斑点,前部边缘具 5 ~ 8 对不等长的流苏,而后部边缘具细齿,唇瓣基部稍膨大,凹陷成囊状距,距向下伸展,长2 ~ 2.5 mm,宽 1.5 ~ 2 mm,末端钝、不裂,内面具 2 个狭长圆形的胼胝体;蕊柱粗短,长 1.5 mm;花药狭披针形,紫红色,向前倾斜,长 3.5 mm,先端长渐尖;花粉团 2 个,粒粉质,黄色,狭倒披针形,长约 3 mm,末端共同具 1 个小的粘盘;蕊喙粉红色,先端叉状;柱头 2 个,侧生,近圆形;子房细圆柱形,扭转,无毛,连同花梗长 7 ~ 8 mm,直径 1 mm。

China. Guangdong (广东): Nanling National Nature Reserve (南岭国家级保护区), Tianjing Mt. (天井山), in forests, alt. 1560 m, 2000-06-30, L. P. Siu (萧丽萍) Gs-16-2000 (holotype, here designated, PE).

本种与属中其他种的区别在于其植株很小,高仅 7.5 ~ 8.5 cm,萼片白色,背面具 2 条纵向、粗的紫红色条纹,花瓣白色,斜线状披针形,沿中肋具 1 条粗的紫红色条纹和边缘具短而密的缘毛,唇瓣白色,顶部 2 裂片基部凹缺处具 1 个紫红色斑点,爪部在中肋两侧各具(3 ~)4 个紫红色斑点。

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